

4CX20,000D/9015

The EIMAC 4CX20,000D/9015 is a ceramic/metal VHF power tetrode intended for use as a RF amplifier up to 110 MHz. It is particularly recommended for use in the 88-108 MHz FM band. It features an electromechanical structure which provides high RF operating efficiency and low RF losses. The 4CX20,000D has a gain of up to 20 dB in FM broadcast service. The anode is rated for 20 kilowatts of dissipation with forced-air cooling and incorporates a highly efficient cooler of new design, which significantly reduces air pressure and flow requirements and produces low acoustical noise.



CHARACTERISTICS

Plate Dissipation (Max.)	20,000 Watts
Screen Dissipation (Max.)	300 Watts
Grid Dissipation (Max.)	200 Watts
Frequency for Max. rating (CW)	110 MHz
Amplification Factor	9.5
Filament/Cathode	Thoriated Tungsten
Voltage	7.5 Volts
Current	145 Amps
Capacitance	Grounded Cathode
Input	181 pf
Output	18.7 pf
Feedthrough	0.5 pf
Capacitance	Grounded Grid
Input	76 pf
Output	19.2 pf
Feedthrough	.05 pf
Cooling	Forced Air
Base	Special, Coaxial
Air Socket	SK-360
Air Chimney	SK-336
Boiler	---
Length	9.51 in; 24.17 cm
Diameter	7.85 in; 19.95 cm
Weight	14.8 lb; 6.7 kg

Class of Operation	Type of Service	MAXIMUM RATINGS		TYPICAL OPERATION				
		Plate Voltage (Volts)	Plate Current (Amps)	Plate Voltage (Volts)	Screen Voltage (Volts)	Plate Current (Amps)	Drive Power (Watts)	Output Power (kiloWatts)
C	RF power amplifier	12,500	5.0	11,600	1,300	3.7	500	35.5

The values listed above represent specified limits for the product and are subject to change. The data should be used for basic information only. Formal, controlled specifications may be obtained from CPI for use in equipment design.



For information on this and other CPI products, visit our website at: www.cpii.com, or contact: CPI MPP Division, Eimac Operation, 607 Hansen Way, Palo Alto, CA 94303
TELEPHONE: 1(800) 414-8823. **FAX:** (650) 592-9988 | **EMAIL:** powergrid@cpii.com